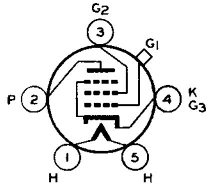


RCA-15

R-F AMPLIFIER PENTODE



The 15 is a heater-cathode pentode of the 2.0-volt type for use in battery-operated receivers that require a separate cathode connection.

CHARACTERISTICS

Heater Voltage (D. C.)		2.0	Volts
Heater Current		0.22	Ampere
Plate Voltage	67.5	135 *max.*	Volts
Screen Voltage (Grid No. 2)	67.5	67.5 *max.*	Volts
Grid Voltage (Grid No. 1)	−1.5	−1.5	Volts
Plate Current	1.85	1.85	Milliamperes
Screen Current	0.3	0.3	Milliampere
Plate Resistance	0.63	0.8	Megohm
Amplification Factor	450	600	
Transconductance	710	750	Micromhos
Grid-Plate Capacitance (With shield-can)		0.01	μμf
Input Capacitance		2.35	μμf
Output Capacitance		7.80	μμf
Bulb			ST-12
Cap			Small Metal
Base			Small 5-Pin

INSTALLATION AND APPLICATION

The **base** pins of the 15 fit the standard five-pin socket which may be installed to hold the tube in any position.

The potential difference between heater and cathode should be kept as low as possible. In no event should it exceed 22.5 volts.

The APPLICATION of the 15 is similar to that of type 32. The heater-cathode construction permits operation where a separate cathode connection is required.

